

APPENDIX N

Public Hearing



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Protecting public health and the environment



What's New

Solids Handling Facility Plan

The Madison Metropolitan Sewerage District will hold a Public Hearing on **Tuesday, February 16, 2010 at 6:30 p.m. at the Nine Springs Wastewater Treatment Plant**, 1610 Moorland Road, Madison, WI, 53713. The hearing will be held in the Multi-Purpose Room of the Operations Building, which is handicap accessible. MMSD staff will be present to answer questions and receive comments prior to a short presentation at 7:00 p.m.

The purpose of the hearing is to receive public input regarding submission of a Solids Handling Facilities Plan to the Wisconsin Department of Natural Resources. The Plan provides recommendations for improvements to the District's facilities for the thickening and digestion of biosolids through the Year 2030. The Plan is available for public inspection at the Nine Springs Wastewater Treatment Plant on weekdays from 7:00 a.m. – 4:00 p.m. A summary report is also available for viewing [here](#).

Anyone interested is invited to attend this meeting. If you wish to comment but cannot be present at the public hearing, please submit a written statement by 3:00 p.m., Friday, February 12, 2010, to Mr. Jon Schellpfeffer, Madison Metropolitan Sewerage District, 1610 Moorland Road, Madison, WI 53713.

Dated this 29th day of January, 2010.

Jon W. Schellpfeffer
Chief Engineer & Director, MMSD

Governor Doyle's press conference at MMSD

Click [here](#) to view the press conference.

Rain, Gutters, Downspouts and Basements

Click [here](#) for additional information or contact Roy Swanke by phone at 608-222-1201 ext. 275 or by email at roys@madsewer.org.



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STATI **MADISON METROPOLITAN SEWERAGE DISTRICT NOTICE OF PUBLIC HEARING** S.
 February 16, 2010
SOLIDS HANDLING FACILITIES PLAN - 11TH ADDITION TO THE NINE SPRINGS WASTEWATER TREATMENT PLANT
 The Madison Metropolitan Sewerage District will hold a Public Hearing on Tuesday, February 16, 2010 at 6:30 p.m. at the Nine Springs Wastewater Treatment Plant, 1610 Moorland Road, Madison, WI, 53713. The hearing will be held in the Multi-Purpose Room of the Operations Building, which is handicap accessible. MMSD staff will be present to answer questions and receive comments prior to a short presentation at 7:00 p.m.
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 Anyone interested is invited to attend this meeting. If you wish to comment but cannot be present at the public hearing, please submit a written statement, by 3:00 p.m., Friday, February 12, 2010, to Mr. Jon Schellpfeffer, Madison Metropolitan Sewerage District, 1610 Moorland Road, Madison, WI 53713.
 Dated this 29th day of January, 2010.
 Jon W. Schellpfeffer
 Chief Engineer & Director, MMSD
 PUB. WSJ: February 2, 2010
 #1533256 WNAXLP

Arlene Staff

being duly sworn, doth depose and say that he (she) is an authorized representative of Capital Newspapers, publishers of

Wisconsin State Journal

a newspaper, at Madison, the seat of government of said State, and that an advertisement of which the annexed is a true copy, taken from said paper, was published therein on February 2nd, 2010

FEB 02 2010

TIP BANGS 1/29/01

(Signed) Arlene Staff
(Title) Principal Clerk

Subscribed and sworn to before me on

2-2-10
Ellen M. Mays
Notary Public, Dane County, Wisconsin

My Commission expires May 24th, 2013

0801517/01
W10
828-0058 1000099

PUBLIC HEARING ATTENDANCE

Solids Handling Facilities Plan
11th Addition to Nine Springs Wastewater Treatment Plant
Madison Metropolitan Sewerage District
Tuesday, February 16, 2010, 6:30 p.m.

<u>NAME</u>	<u>REPRESENTING</u>	<u>ADDRESS</u>
Bill Ericson	ATI	Brookfield WI.
Jon Schellpfeffer	MMSD	
Mike Simon	MMSD	
TODD GEBERT	MMSD	

Madison MSD

Solids Handling Facilities Plan Public Hearing



February 16, 2010



Solids Handling Facilities Plan

- Key elements
 - DNR requirement for wastewater biosolids management
 - Identifies most cost-effective alternative
 - 20-year planning period (2030)
 - Capacity for future growth
 - Meets biosolids quality standards
 - Required for Clean Water Fund Loan program



Existing Plant Wasteloads

Parameter	Average	Max Month
Flow (mgd)	42.9	54.8
BOD (lbs/d)	85,100	102,100
TSS (lbs/d)	75,700	90,800
N Loading (lbs/d)	12,900	15,500
P Loading (lbs/d)	2,100	2,300



Existing Plant Solids Handling

- Current solids loading 100,000 lbs/day
- Mesophilic anaerobic digestion
- Produces Class B biosolids for agricultural use
- Land application 40 MG/year



Projected Plant Wasteloads

Parameter	Year 2030 Average	Year 2030 Max Month
Flow (mgd)	53.8	67.2
BOD (lbs/d)	122,100	146,500
TSS (lbs/d)	117,800	141,400
N Loading (lbs/d)	19,800	23,800
P Loading (lbs/d)	2,900	3,200



Existing Solids Handling Facilities

- Future solids loadings will increase to 150,000 lbs/d, 50% increase above existing
- 10th Addition TPAD process discontinued due to process problems; AD system operating in stable mesophilic mode
- Achieving Class A biosolids will require process modifications/additions



Advanced AD Process Alternatives

- Conventional meso digestion w/ thermal pretreatment
- **Multi-stage acid phase digestion** ⇐
- Acid phase digestion w/ thermal post treatment

Major Plant Upgrade Items

- WAS thickening
- Acid digesters
- Thermo Digester No. 8
- Struvite harvesting (P-recovery)
- Digester heating/mixing modifications
- Related plant improvements

Estimated Project Costs

- Total project cost = \$45 million
- Annual plant O&M increase = \$160,000
- Average annual residential sewer bills
 - Existing rate = \$245
 - Yr 2014 rate w/o project = \$284
 - Yr 2014 rate w/ project = \$302
 - Project rate impact = 6.5%



Schedule

- Complete Facilities Plan/submit to WDNR in Jan 2010
- Conduct Public Hearing in Feb 2010
- Begin design in Feb 2010
- Submit plans and specs to WDNR in December 2010
- Bidding/contract award in March 2011
- Construction of new facilities begins in April 2011
- 11th Addition construction completed December 2013



Questions?



 **Applied Technologies**
Engineers - Architects

